

CLS1922

Linear Potentiometer

These high performance linear potentiometers are designed for the most demanding control and measurement applications.

They are constructed from aluminium alloy and stainless steel for high strength and durability, yet are lightweight in design, making them ideal for motor racing, automotive and general industrial applications.

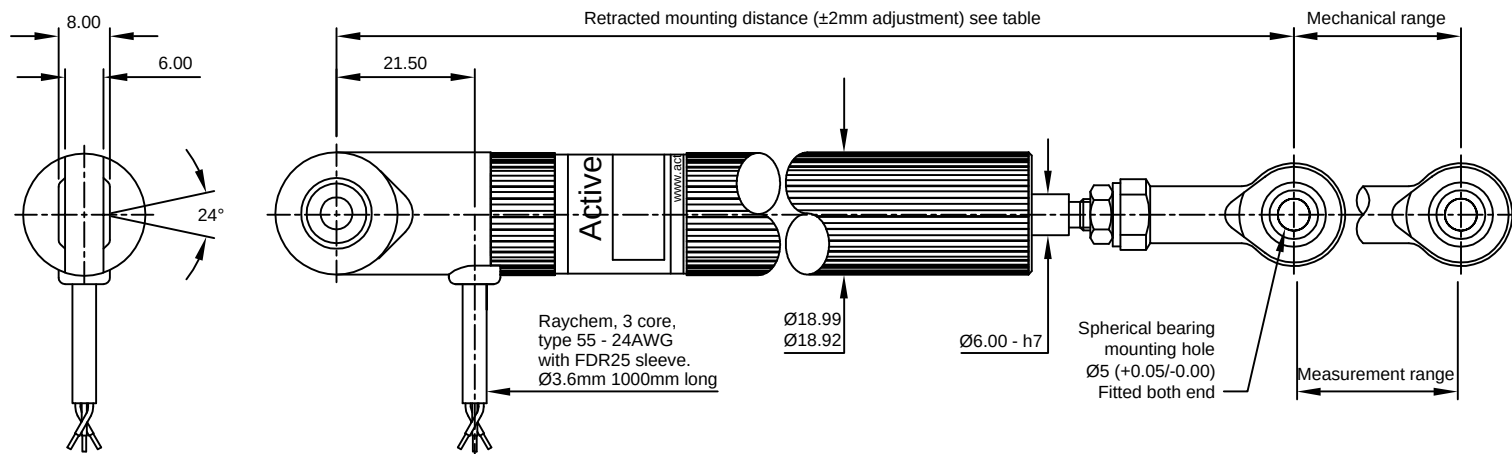
The sensors are sealed to IP66 as standard and feature fire and chemical resistant high temperature Raychem FDR-type55-24 signal cabling ensuring total system reliability. The physical design of these robust linear potentiometers enables their survival in the severest of environmental conditions.

Other models in this range

- CLS0950 - Ultra slim and compact 9.5mmØ, choice of mounting
- CLS1310 - Slim and compact 13mmØ, choice of mounting
- CLS1320 - Slim 13mmØ, choice of mounting
- CLS1921 - Body clamp mounting
- CLS1924 - Extended shaft model (+25mm)
- CLS1925 - Extended shaft model (+50mm)
- CLS3220 - Industrial long stroke

**Active
sensors**

DSPM Industria
sensori & trasduttori



Electrical & Mechanical Information

Measurement range	(±0.5mm)	075	100	125	150	175	200	225	250	275	300	325	350	mm
Retracted mounting distance	(±2mm)	199	224	249	274	299	324	349	374	399	424	449	474	mm
Resistance	(Typical)	3	4	5	6	7	8	9	10	11	12	13	14	kohms
Non-linearity		<±0.15	<±0.15	<±0.15	<±0.15	<±0.15	<±0.15	<±0.15	<±0.15	<±0.15	<±0.15	<±0.15	<±0.15	%
Applied voltage		<70	<90	<110	<130	<130	<130	<130	<130	<130	<130	<130	<130	Volts
Wiper load		>500	>500	>500	>600	>700	>800	>900	>1000	>1100	>1200	>1300	>1400	kohms
Mechanical range		Measurement range +1												mm
Shaft velocity		<10												m/sec
Insulation resistance (at 500V dc.)		>100												Mohms
Operating temp. range		-30° to +100°												°C
Sealing		IP66												
Shaft operating force		200 (typical)												grams
Weight. (approx.)		139	154	169	185	199	221	242	263	284	305	326	347	grams

Note 1: Incorrect wiring may cause internal damage to the sensor. Note 2: Circuit recommendation: Due to the presence of a high contact resistance, these potentiometers should be used as voltage dividers only. Operation with wiper circuits of low impedance will degrade the output signal.

